

# Converting Colors

$Yxy(86.3039, 0.2942, 0.3619)$

Have a look what the booklet for  
Yxy(86.3039, 0.2942, 0.3619)  
contains.

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# Color

**Yxy(86.3641, 0.2943, 0.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2FCDE
RGB	194, 252, 222
RGB Percent	76%, 99%, 87%
CMY	0.2391, 0.0118, 0.1293
CMYK	0.23, 0.00, 0.12, 0.01
HSL	149°, 91%, 87%
HSV	149°, 23%, 99%
XYZ	70.2514, 86.3641, 82.0912
YIQ	231.2380, -24.9380, -21.6260

# Conversions

## Conversions Part 2

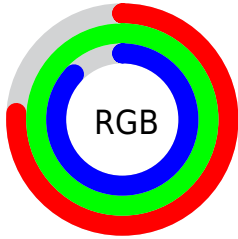
Format	Color
<b>RYB</b>	194, 233, 252
Decimal	12778718
CIELab	94.47, -24.08, 8.43
CIELCh	94, 25.515, 160.702
Yxy	86.3641, 0.2943, 0.3618
Android (android.graphics.Color)	4290968798 (0xFFC2FCDE)
YUV	231.2380, -4.5543, -32.6577
Hunter-Lab	92.9323, -27.6959, 12.6791

# Details

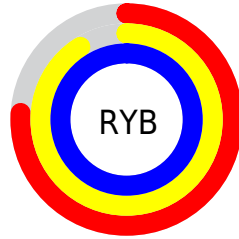
The Yxy color **86.3641, 0.2943, 0.3618** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.6741, 0.3363, 0.2984**, and the grayscale version is **80.1534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **47.3092, 0.2897, 0.3691** is the 20% darker color. If you saturate the color by 10%, you get **82.6386, 0.2870, 0.3786**, and if you desaturate by 10%, it is **90.7162, 0.3021, 0.3465**.

# Distribution



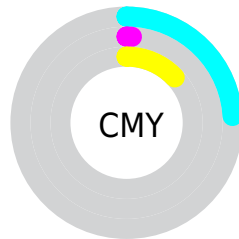
- Red (76%)
- Green (99%)
- Blue (87%)



- Red (76%)
- Yellow (91%)
- Blue (99%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)




- Cyan (24%)
- Magenta (1%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3641, 0.2943, 0.3618 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 86.3641, 0.2943, 0.3618 by changing the saturation by 10% instead.




 86.3641, 0.2943,  
0.3618

 86.3641, 0.2943,  
0.3618


516.1310, 0.3027,  
0.3467

 64.9691, 0.2924,  
0.3652


 142.2775, 0.2972,  
0.3566

 47.4360, 0.2900,  
0.3695


177.5646, 0.2984,  
0.3545

 33.3805, 0.2871,  
0.3748


218.2513, 0.2993,  
0.3528

 22.4181, 0.2832,  
0.3818

264.7219, 0.3002,  
0.3513

 14.1644, 0.2780,  
0.3912

317.3607, 0.3009,  
0.3499

 8.2351, 0.2706,  
0.4048

376.5523, 0.3016,

 4.2458, 0.2592,

0.3487

0.4258

442.6809, 0.3022,  
0.3477

■ 1.8120, 0.2394,  
0.4626

■ 0.4946, 0.0000,  
1.0000

■ 86.3641, 0.2943,  
0.3618

■ 86.3641, 0.2943,  
0.3618

■ 82.6386, 0.2870,  
0.3786

■ 90.7162, 0.3021,  
0.3465


■ 79.4991, 0.2806,  
0.3969


■ 95.7117, 0.3103,  
0.3328

■ 76.9171, 0.2754,  
0.4164


■ 98.0990, 0.3128,  
0.3261

■ 74.8571, 0.2718,  
0.4367

 73.2793, 0.2700,  
0.4573

 72.1380, 0.2702,  
0.4776

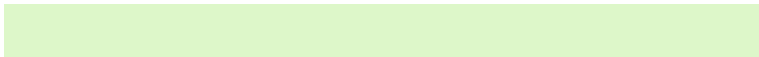
 71.3779, 0.2725,  
0.4969

 71.0168, 0.2749,  
0.5097

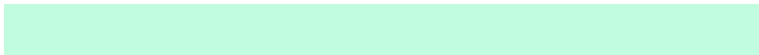
# Harmonies

## Analogous

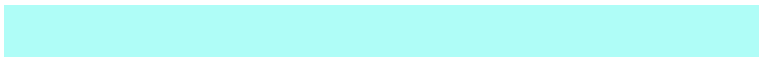
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3641, 0.3231, 0.3782



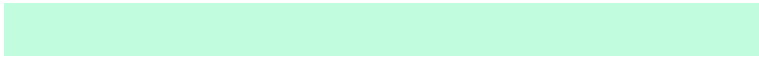
86.3641, 0.2943, 0.3618



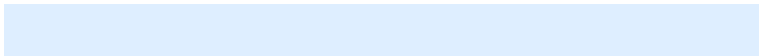
86.3641, 0.2712, 0.3355

# Triad

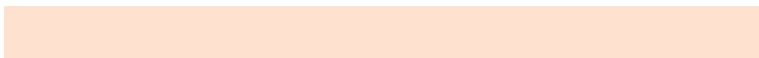
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3641, 0.2943, 0.3618



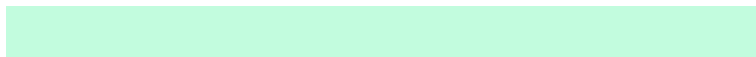
86.3641, 0.2753, 0.2811



86.3641, 0.3695, 0.3450

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



86.3641, 0.2943, 0.3618



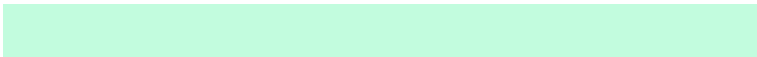
64.6741, 0.3363, 0.2984

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3641, 0.3555, 0.3207



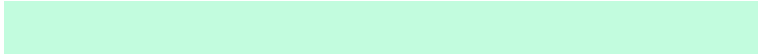
86.3641, 0.2943, 0.3618



86.3641, 0.3003, 0.2850

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.3641, 0.2943, 0.3618



86.3641, 0.2606, 0.2893



86.3641, 0.3298, 0.2992

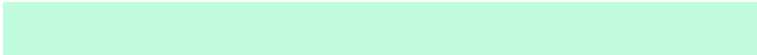


86.3641, 0.3673, 0.3666



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



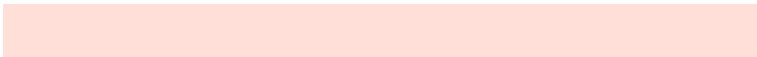
86.3641, 0.2943, 0.3618



86.3641, 0.2617, 0.3172



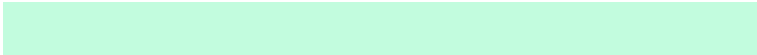
86.3641, 0.3298, 0.2992



86.3641, 0.3665, 0.3369

# Sweetspot

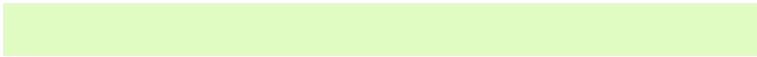
The Sweet Spot groups the original color and five complimentary colors.



86.3677, 0.2943, 0.3618



96.1901, 0.3070, 0.3381



89.5143, 0.3294, 0.3901



20.5217, 0.3065, 0.3389



0.0000, 0.0000, 0.0000

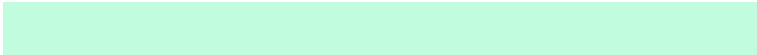


21.4041, 0.3127, 0.3290

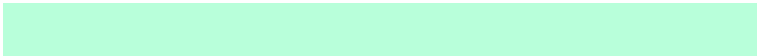


# Same Dimension

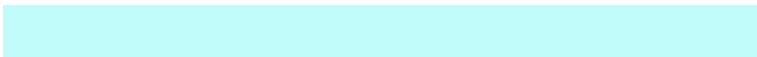
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3677, 0.2943, 0.3618



86.7273, 0.2906, 0.3701



87.9986, 0.2796, 0.3310



19.4489, 0.3050, 0.3415



37.0239, 0.2741, 0.5067



3.4504, 0.2679, 0.4844



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64.6741, 0.3363, 0.2984



60.5698, 0.3429, 0.2914



63.2760, 0.3588, 0.3271



17.3751, 0.3213, 0.3168



11.6542, 0.4890, 0.2467

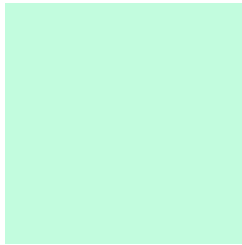


1.1008, 0.4634, 0.2326



# Previews

## White Background



This preview shows how the Yxy color 86.3641, 0.2943, 0.3618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

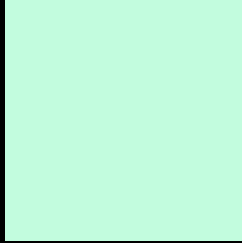
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.3641, 0.2943, 0.3618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

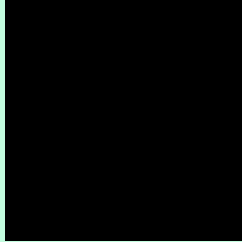
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

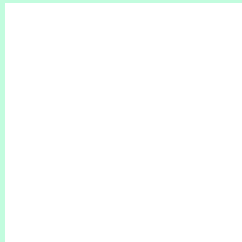
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.3641, 0.2943, 0.3618**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.3641, 0.2943, 0.3618.

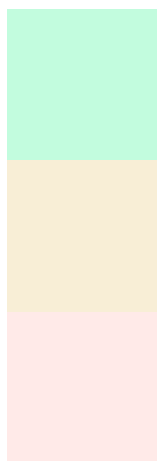


This preview shows how white text looks on a background with the Yxy color 86.3641, 0.2943, 0.3618.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

86.3641, 0.2943, 0.3618

### Protanopia

85.9606, 0.3347, 0.3533

### Deuteranopia

85.9318, 0.3283, 0.3310



## Tritanopia

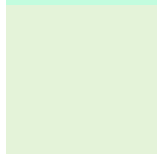
86.2266, 0.2901, 0.3166

# Trichromacy



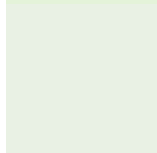
## Original Color

86.3641, 0.2943, 0.3618



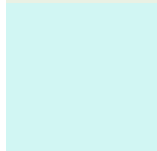
## Protanomaly

85.6049, 0.3186, 0.3562



## Deuteranomaly

85.8357, 0.3154, 0.3424



## Tritanomaly

85.9379, 0.2915, 0.3321

# Monochromacy



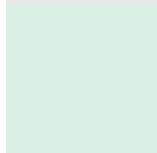
## Original Color

86.3641, 0.2943, 0.3618



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.2399, 0.3056, 0.3407

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  86.3641, 0.2943, 0.3618 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(194, 252, 222)` looks like.

```
.text, #text, p{  
    color:rgb(194, 252, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(194, 252, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 252, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 86.3641, 0.2943, 0.3618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(194, 252, 222) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(194, 252, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(194, 252, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 252, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 252, 222);  
box-shadow:4px 4px 4px 4px rgb(194, 252,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.3641, 0.2943, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 252, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(194,  
252, 222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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